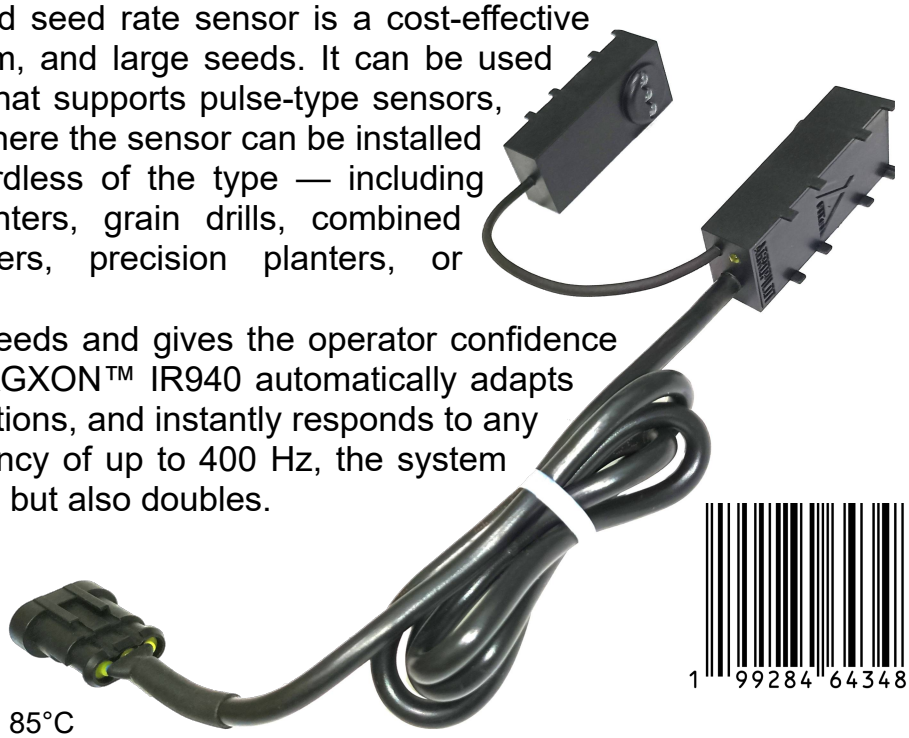
Universal infrared seed sensor AGXON™ IR940

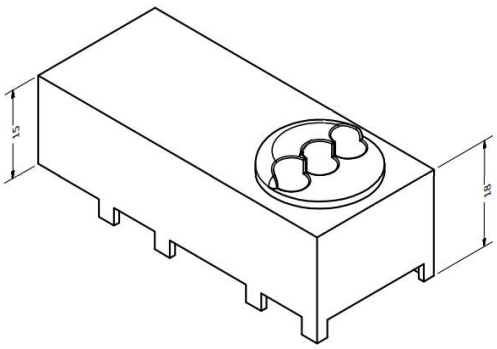
The AGXON™ IR940 infrared seed rate sensor is a cost-effective solution for counting small, medium, and large seeds. It can be used with any seed monitoring system that supports pulse-type sensors, and it is compatible with planters where the sensor can be installed in the seed tube or opener, regardless of the type — including vegetable planters, row-crop planters, grain drills, combined seeders, grass and turf seeders, precision planters, or specialized machinery.

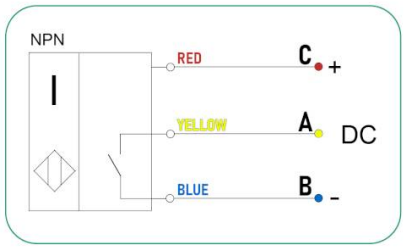
It measures the number of seeds and gives the operator confidence that seeding is taking place. The AGXON™ IR940 automatically adapts to working conditions, ignores vibrations, and instantly responds to any seed size. With a response frequency of up to 400 Hz, the system can detect not only individual seeds but also doubles.

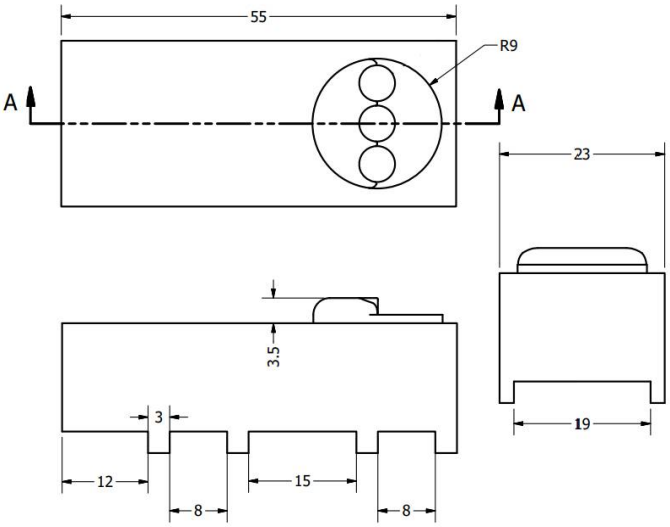


Specifications:

- Compatible with most monitors
- NPN type (open collector)
- Storage temperature from -40°C to 85°C
- Operating temperature from 0°C to 70°C
- Humidity from 0 to 95%
- Power supply voltage range from 7 to 24 volts DC
- Current consumption: 50 mA







Using optical technology, AGXON™ IR940 seed sensors operate based on the principle of photodetection. The sensor is equipped with three infrared LEDs to ensure precise seeding rate measurement. The infrared LEDs create a narrow light field across the entire inner section of the seed tube. A photoreceiver on the opposite side of the tube continuously monitors the light intensity. Any seed that interrupts the light beam is detected by the photodetector, and a corresponding signal is transmitted to the monitor.

All additional information — technical documentation, warranty terms, and manufacturer contacts — is available on the website: https://agxon.com.